

<b>REPLY/AMENDMENT FEE TRANSMITTAL</b>		Attorney Docket No.	1046.1303	
		Application Number	10/713,155	
		Filing Date	November 17, 2003	
		First Named Inventor	Makiko KOBAYASHI et al.	
		Group Art Unit	2175	
AMOUNT ENCLOSED	0.00	Examiner Name	Andrew L. TANK	

**FEE CALCULATION (fees effective 10/02/08)**

CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For	Number Extra	Rate	Calculations
TOTAL CLAIMS	15	- 39 =	0	X \$ 52.00 =	\$ 0.00
INDEPENDENT CLAIMS	10	- 10 =		X \$ 220.00 =	0.00
Since an Official Action set an <u>original</u> due date of December 10, 2008, petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$130)); (2 months (\$490)); (3 months (\$1,110)); (4 months (\$1,730)); (5 months (\$2,350));					
If Notice of Appeal is enclosed, add (\$540.00)					
If Statutory Disclaimer under Rule 20(d) is enclosed, add fee (\$140.00)					
Information Disclosure Statement (Rule 1.17(p)) (\$180.00)					
Total of above Calculations =					
Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)					
<b>TOTAL FEES DUE =</b>					

(1) If entry (1) is less than entry (2), entry (3) is "0".  
 (2) If entry (2) is less than 20, change entry (2) to "20".  
 (4) If entry (4) is less than entry (5), entry (6) is "0".  
 (5) If entry (5) is less than 3, change entry (5) to "3".

**METHOD OF PAYMENT**

Check enclosed as payment.  
 Charge "TOTAL FEES DUE" to the Deposit Account No. below.  
 No payment is enclosed.

**GENERAL AUTHORIZATION**

If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:  
 Deposit Account No. 19-3935  
 Deposit Account Name STAAS & HALSEY LLP

The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC § 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.

SUBMITTED BY: STAAS &amp; HALSEY LLP

Typed Name	Temnit Afework	Reg. No.	58,202
Signature		Date	12/10/2008

RESPONSE UNDER 37 CFR 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 2175  
Docket No.: 1046.1303

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Makiko KOBAYASHI et al.

Serial No. 10/713,155

Group Art Unit: 2175

Confirmation No. 9446

Filed: November 17, 2003

Examiner: Andrew L. TANK

For: INFORMATION PROCESSING DEVICE, RELAY DEVICE, SERVER,  
COMMUNICATION METHOD AND PROGRAM

**AMENDMENT AFTER FINAL REJECTION**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Attention: **BOX AF**

Sir:

This is in response to the Office Action mailed September 10, 2008, and having a period for response set to expire on December 10, 2008.

Reconsideration of the claims is respectfully requested. The following remarks are respectfully submitted.

**A Request for Continued Examination is submitted.**

**IN THE CLAIMS:**

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims in accordance with the following:

1-7. (CANCELLED)

8. (CURRENTLY AMENDED) A relay device relaying between a server and a terminal receiving, from the server on a network, definition information of a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box, the content information indicating description of data in the data input box, and transmitting the data input to the data input box to the server, comprising:

a communication unit communicating with the server and the terminal via the network;

a storage unit storing the data input to the data input box together with the data identifying information; and

a control unit searching for the data corresponding to the data identifying information from the storage unit on transmitting to the terminal ~~the~~definition information of the screen containing the data input box for the data specified by the data identifying information, modifying a result of the searched data~~searching~~ into a display style according to the content information indicating description of the data to be input in the data input box, and correlating the searched data~~result~~ modified according to the content information with the data identifying information specifying the data input box, and

wherein the communication unit receives definition information of a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box from the server and sends the definition information of ~~the screen containing the data input box for data specified by the data identifying information and the content information to be displayed on the screen together with the data input box~~ modified according to the content information and correlated with the data identifying information.

9. (PREVIOUSLY PRESENTED) A relay device according to claim 8, wherein the storage unit is stored with plural pieces of data input to the data input box in the past, and the control unit sets one piece of data among the plural pieces of data into said data input box and adds to the definition information a piece of information for having the remaining data displayed as options in the vicinity of the input box.

10. (ORIGINAL) A relay device according to claim 9 further comprising a determining unit determining a priority order of the data set into the data input box.

11. (PREVIOUSLY PRESENTED) A relay device according to claim 9 further comprising an arrangement unit determining a data arrangement order of the data displayed as the options.

12. (ORIGINAL) A relay device according to claim 8 further comprising an obtaining unit obtaining information for identifying a user of the terminal, wherein the storage unit is stored with the data in a way that relates the data to the information for identifying the user, and the control unit searches for the data corresponding to the data identifying information for every user.

13. (ORIGINAL) A relay device according to claim 8, wherein the storage unit is stored with plural pieces of data identifying information related to the data, and the control unit searches for the data by any one piece of data identifying information among the plural pieces of data identifying information.

14-26. (CANCELLED)

27. (CURRENTLY AMENDED) A communication method of relaying between a server and a terminal for receiving, from the server on a network, definition information of a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box and transmitting the data input to the data input box to the server, comprising:

communicating with the server and the terminal via the network;

storing the data input to the data input box together with the data identifying information in a storage unit;

searching for the data corresponding to the data identifying information from the storage unit on transmitting to the terminal the definition information of the screen containing the data input box for the data specified by the data identifying information and the content information to be displayed on the screen together with the data input box;

modifying a result of the searched data ~~searching~~ into a display style according to the contents information that indicates description of the data to be input in the data input box; and

correlating the result ~~searched data~~ modified according to the content information with the data identifying information specifying the data input box, and

wherein in said communicating, definition information of a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box from the server are received, and the definition information of the screen containing the data input box for data specified by the data identifying information and the content information to be displayed on the screen together with the data input box ~~together with~~ and the ~~searched data~~ result modified according to the content information and correlated with the data identifying information are sent to the terminal.

28-35. (CANCELLED)

36. (CURRENTLY AMENDED) A computer readable storage medium having a program stored therein and causing a computer to relay between a server and a terminal by receiving, from the server on a network, definition information of a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box and transmitting the data input to the data input box to the server, comprising:

communicating with the server and the terminal via the network;

storing the data input to the data input box together with the data identifying information;

searching for the data corresponding to the data identifying information from the stored data on transmitting to the terminal the definition information of the screen containing the data input box for the data specified by the data identifying information and the content information to be displayed on the screen together with the data input box;

modifying the ~~searched data~~ a result of the searching into a display style according to the content information that indicates description of the data to be input in the data input box; and

correlating the ~~searched data~~ result with the data identifying information specifying the

data input box, and

wherein in said communicating, definition information of a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box from the server is received and the definition information of the screen containing the data input box for data specified by the data identifying information and the content information to be displayed on the screen together with the data input box together with the searched data result modified according to the content information and correlated with the data identifying information specifying the data input box is sent to the terminal.

37. (CANCELLED)

38. (CURRENTLY AMENDED) A method of relaying definition information of a screen containing an input box, comprising:

storing a value entered into an input box of a web page by a user in association with an identifier defining information of a screen containing the input box;

displaying the value as an option for entry into the input box responsive to determination of an access of the web page by the user subsequent to said storing, the value being modified into a display style based on content information prior to said displaying, and the content information defining a type of the value to be input into the input box, and

where said value is retrieved using said identifier and content information as a key and displayed when a comparison of said defining information stored matches definition information requested for said access of the web page.

39. (CURRENTLY AMENDED) An information processing device comprising:

a display control unit causing a display device display a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box, in accordance with definition information on the screen;

a storage unit storing the data inputted to the data input box together with the data identifying information;

a control unit searching for the data corresponding to the data identifying information from the storage unit when having the screen displayed, modifying the searched data result of

the searching into a display style according to the content information indicating description of the data to be input in the data input box and setting the searched dataresult modified according to the content information into the data input box specified by the data identifying information; and

an obtaining unit obtaining information for identifying a user, wherein the storage unit is stored with the data in a way that relates the data to the information for identifying the user, and the control unit searches for the data corresponding to the data identifying information and the content information to be displayed on the screen together with the data input box for every user.

40. (CURRENTLY AMENDED) A server for transmitting, to a terminal on a network, definition information of a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box and receiving the data inputted to the data input box from the terminal, comprising:

a communication unit communicating with the terminal via the network;

a storage unit storing the data inputted to the data input box together with the data identifying information;

a control unit searching for the data corresponding to the data identifying information from the storage unit when transmitting to the terminal the definition information of the screen containing the data input box for the data specified by the data identifying information and the content information to be displayed on the screen together with the data input box; and

wherein the searched dataa result of the searching is modified into a display style according to the content information indicating description of the data to be input in the data input box and the searched dataresult as modified is set into the data input box.

41. (CURRENTLY AMENDED) An information display method comprising:

displaying a screen containing a data input box for data specified by data identifying information in accordance with definition information on the screen and content information to be displayed on the screen together with the data input box;

storing the data inputted to the data input box together with the data identifying information;

searching for the data corresponding to the data identifying information from the storage unitstored information when having the screen displayed and modifying the searched dataa

result of said searching into a display style according to the content information indicating description of the data to be input in the data input box;

setting the searched data result as modified into the data input box specified by the data identifying information; and

obtaining information for identifying a user, wherein said storing includes storing the data in a way that relates the data to the information for identifying the user, and said searching includes searching for the data corresponding to the data identifying information for every user.

42. (CURRENTLY AMENDED) A communication method of transmitting, to a terminal on a network, definition information of a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box, and receiving the data inputted to the data input box from the terminal, comprising:

communicating with the terminal via the network;

storing the data inputted to the data input box together with the data identifying information;

searching for the data corresponding to the data identifying information from a storage unit when transmitting to the terminal the definition information of the screen containing the data input box for the data specified by the data identifying information;

modifying the searched data result of the searching into a display style according to the content information indicating description of the data to be input in the data input box; and

setting the searched data result as modified into the data input box.

43. (CURRENTLY AMENDED) A computer-readable storage medium embodiment having a program stored therein causing a computer to execute operations, comprising:

displaying a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box in accordance with definition information on the screen;

storing the data inputted to the data input box together with the data identifying information;

searching for the data corresponding to the data identifying information from the storage unit when having the screen displayed and modifying the searched data result of the searching into a display style according to the content information indicating description of the data to be

input in the data input box;

setting the searched dataresult as modified into the data input box specified by the data identifying information; and

obtaining information for identifying a user, wherein said storing includes storing the data in a way that relates the data to the information for identifying the user, and said searching includes searching for the data corresponding to the data identifying information for every user.

44. (CURRENTLY AMENDED) A computer readable medium embeddinghaving a program stored therein causing a computer to execute operations including transmitting, to a terminal on a network, definition information of a screen containing a data input box for data specified by data identifying information and content information to be displayed on the screen together with the data input box, and receive the data inputted to the data input box from the terminal, comprising:

communicating with the terminal via the network;

storing the data inputted to the data input box together with the data identifying information;

searching for the data corresponding to the data identifying information from a storage unit when transmitting to the terminal the definition information of the screen containing the data input box for the data specified by the data identifying information;

modifying the searched dataresult of the searching into a display style according to the content information indicating description of the data to be input in the data input box; and

setting the searched dataresult as modified into the data input box.

**REMARKS:**

In the outstanding Office Action, the Examiner rejected claims 8-13, 27, 36 and 38-44. Claims 8, 27, 36 and 38-44 are amended herein. No new matter is presented. Claims 1-7, 14-26, 28-35 and 37 remain cancelled.

Thus, claims 8-13, 27, 36 and 38-44 are pending and under consideration. A Request for Continued Examination is submitted. The rejections are traversed below.

**REJECTION UNDER 35 U.S.C. § 101:**

In the outstanding Office Action the Examiner rejected claims 43 and 44 under 35 U.S.C. §101 as being directed to non-statutory subject matter.

By this Amendment, claims 43 and 44 has been amended and no longer includes the language in the form rejected by the Examiner.

Therefore, withdrawal of the rejection is respectfully requested.

**REJECTION UNDER 35 U.S.C. § 112:**

In the outstanding Office Action the Examiner rejected claim 41 under 35 U.S.C. §112, first paragraph as being indefinite.

By this Amendment, claim 41 has been amended and no longer includes the language in the form rejected by the Examiner.

Therefore, withdrawal of the rejection is respectfully requested.

**REJECTION UNDER 35 U.S.C. § 102(e):**

In the outstanding Office Action the Examiner rejected claims 8-13, 27, 36 and 38-44 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 7,216,292 (Snapper). Applicants respectfully traverse the Examiner's rejections of the remaining claims.

Snapper does not teach or suggest "modifying a result of the searching into a display style according to the content information indicating description of the data to be input in the data input box" and "correlating the result modified according to the content information with the data identifying information specifying the data input box", as recited in claim 8. The Applicants respectfully submit that Snapper does not disclose or suggest at least this feature of claim 8. See also claims 27, 36 and 39 reciting similar features of claim 8.

See also claim 38 reciting "displaying the value as an option for entry into the input box... the value being modified into a display style based on content information prior to said displaying, and the content information defining a type of the value to be input into the input box." Applicants respectfully submit that Snapper does not disclose or suggest at least this feature of claim 38.

Instead, Snapper populates forms in the same way. As explicitly stated in Snapper, "same value can be automatically suggested when the user displays a different form on a different web site" (see, col. 3, lines 42-47 and Abstract). Meaning, all values in Snapper are simply suggested to the user regardless of description of data to be input.

Similarly, Snapper does not teach or suggest that "a result of the searching is modified into a display style according to the content information indicating description of the data to be input in the data input box" and "the result as modified is set into the data input box", as recited in claim 40. See also claims 41, 42, 43 and 44 reciting similar features.

In addition, claim 39 recites storing data "... in a way that relates the data to the information for identifying the user" and "searching for the data corresponding to the data identifying information and the content information to be displayed on the screen together with the data input box for every user." Applicants respectfully submit that Snapper does not teach or suggest at least these features of claim 39. Instead, Snapper only discusses populating forms with identical data values for all users.

Moreover, the Snapper system, which is directed to displaying the same value in each of the input box, teaches away from "modifying a result of the searching for the data" based on "content indicating description of the data to be input in the input box", as taught by the claimed invention.

In the Office Action, the Examiner asserts "Snapper, through placing the retrieved and suggested words in a particular format, that of a drop down list in the above embodiment, the words, i.e. searched data, are modified into a display style by content information, i.e. the particular format of form display" (at Response to Argument in page 11 of the Office Action).

However, as an example, the amended claim 8 recites "modifying a result of the searching", and "according to the contents information indicating description of the data to be input in the data input box."

The Snapper reference merely describes a portion of a form without any teaching of the claimed "modifying" of the result of the search. In particular, the Snapper reference states:

"Beginning with FIG. 4A, a portion of a form is shown, including a field label 401 and a field data entry region 402. The user is presumed to have typed the first letter "J" corresponding to her name, and a pop-down, scrollable list 403 is immediately displayed with a list of possible choices for inserting into data entry area 402. As explained previously, these choices can be determined and displayed according to various heuristics."

Further, the Snapper reference states:

"In one embodiment, drop-down list 403 appears after the user enters the first character of a data value in form data area 402. The user will then have the opportunity to review the possible choices, which may be limited to previously used values for that field that begin with the same character. Alternatively, instead of typing the first letter, the user can press the "down" arrow key, which will cause the pop-down list to appear with suggestions for that field. With this approach, the user can, for example, fill out a zip code field without typing a single number (i.e., merely hitting the down arrow key will cause a list with the person's previously used zip code to appear). In one embodiment, the pop-down list feature may be limited to single-line edit boxes to prevent matching on such fields as e-mail messages."

As can be seen from above, Snapper merely displays a list of choices for a field data value using a drop-down list that is presented regardless of the value to be input. Thus, Snapper does not discuss "modifying a result of the searching into a display style according to the content information indicating description of the data to be input in the data input box", as taught by the claimed invention. For the above-discussed reason, the Examiner does not appear to have established a priori case of anticipation. For this reason it is requested that the rejection be withdrawn.

Anticipation requires the presence in a single prior art reference disclosure of each and every element of the claimed invention, arranged as in the claim (see MPEP §2131). In view of the distinction noted above, at least one claimed element is not present in the Snapper reference. Therefore, since Snapper does not disclose the features recited in the independent claims, as stated above, it is respectfully submitted that the independent claims patentably distinguish over Snapper, and withdrawal of the §102(e) rejection is earnestly and respectfully solicited.

Claims depending from the independent claims include all of the features of that claim plus additional features which are not disclosed by Snapper. For at least the above-mentioned reasons, claims depending from the independent claims are patentably distinguishable over

Snapper. The dependent claims are also independently patentable.

For example, Snapper does not teach or suggest "... identifying a user of the terminal," where data is stored "in a way that relates the data to the information for identifying the user, and the control unit searches for the data corresponding to the data identifying information for every user", as recited in claim 12. Instead, Snapper only presents a drop-down list to a user in a uniform matter and regardless of identity of the user using the terminal.

Therefore, withdrawal of the rejection is respectfully requested.

**CONCLUSION:**

There being no further outstanding objections or rejections, it is respectfully submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

If there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 12/10/2008  
By: Temnit Afework  
Temnit Afework  
Registration No. 58,202

1201 New York Ave, N.W., 7th Floor  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501